

Fig.1

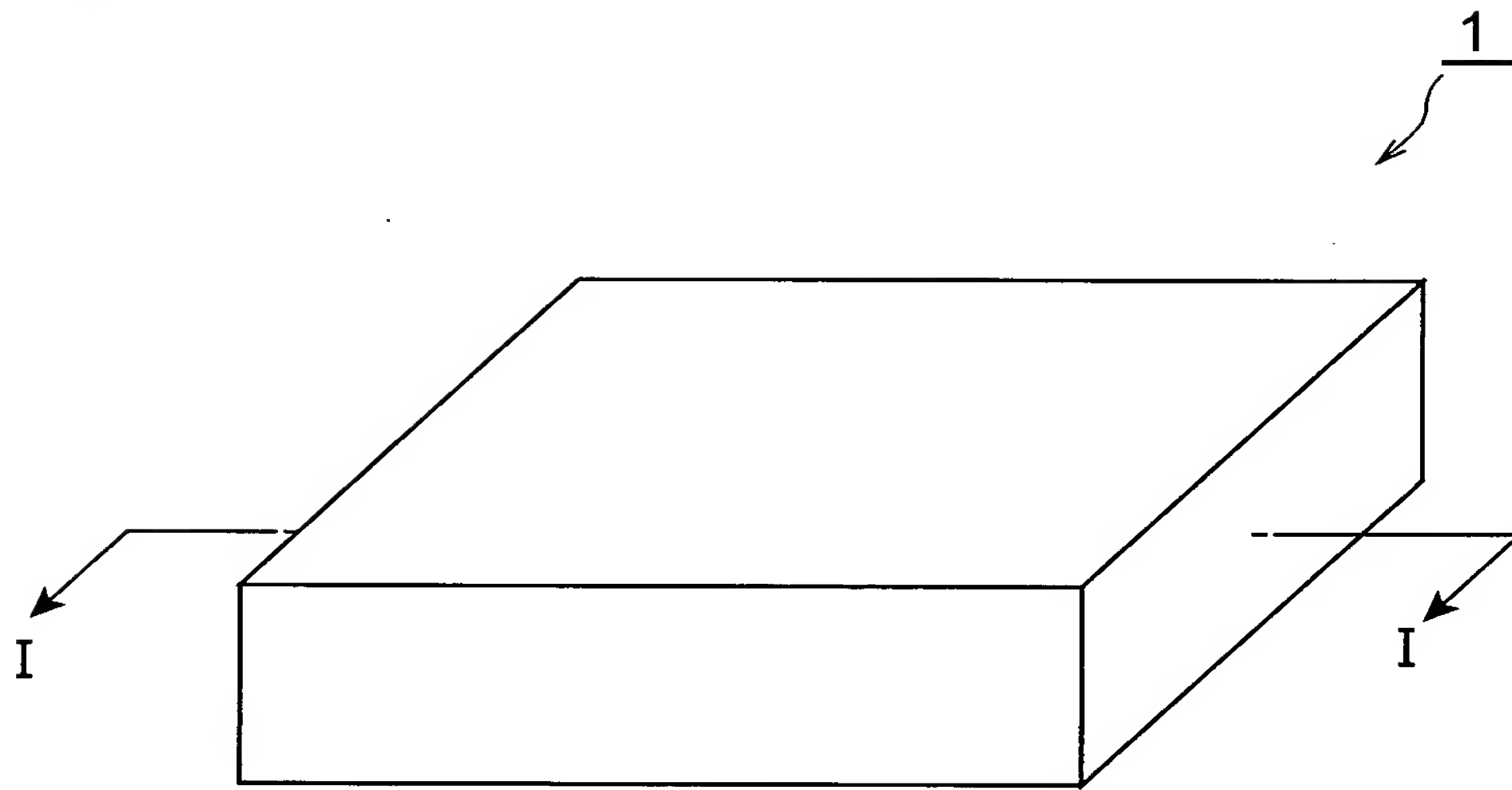


Fig.2

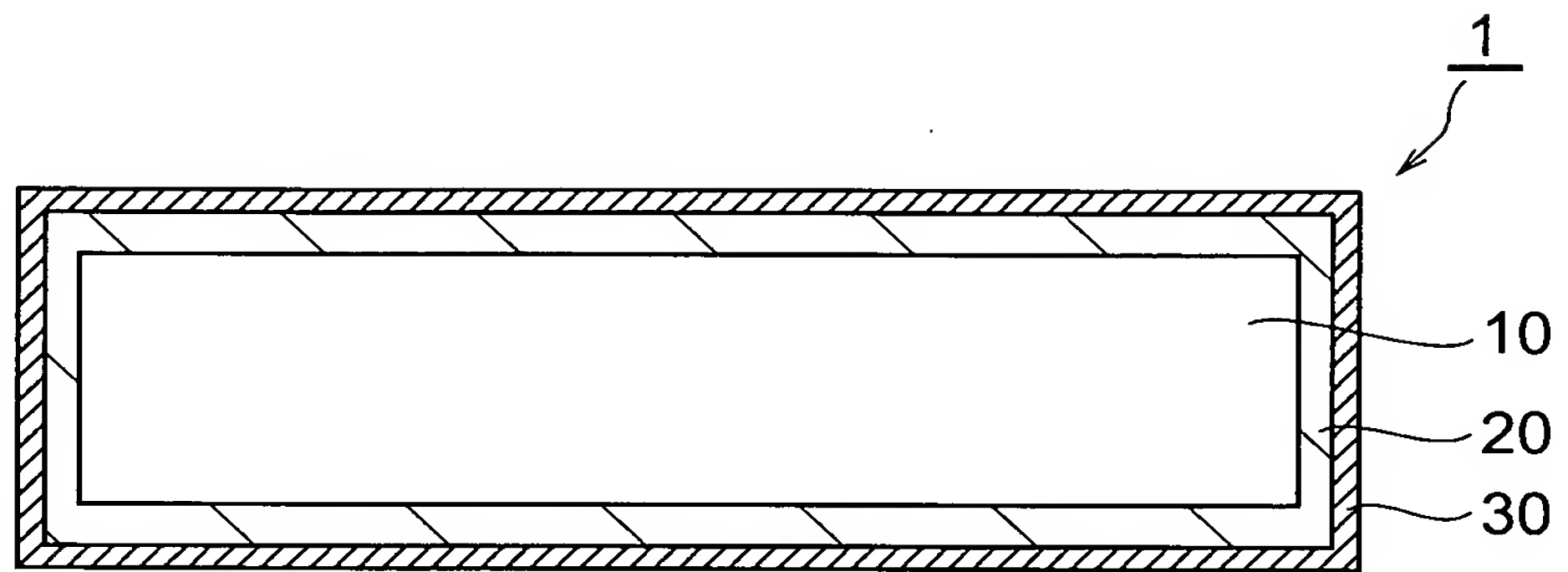


Fig.3

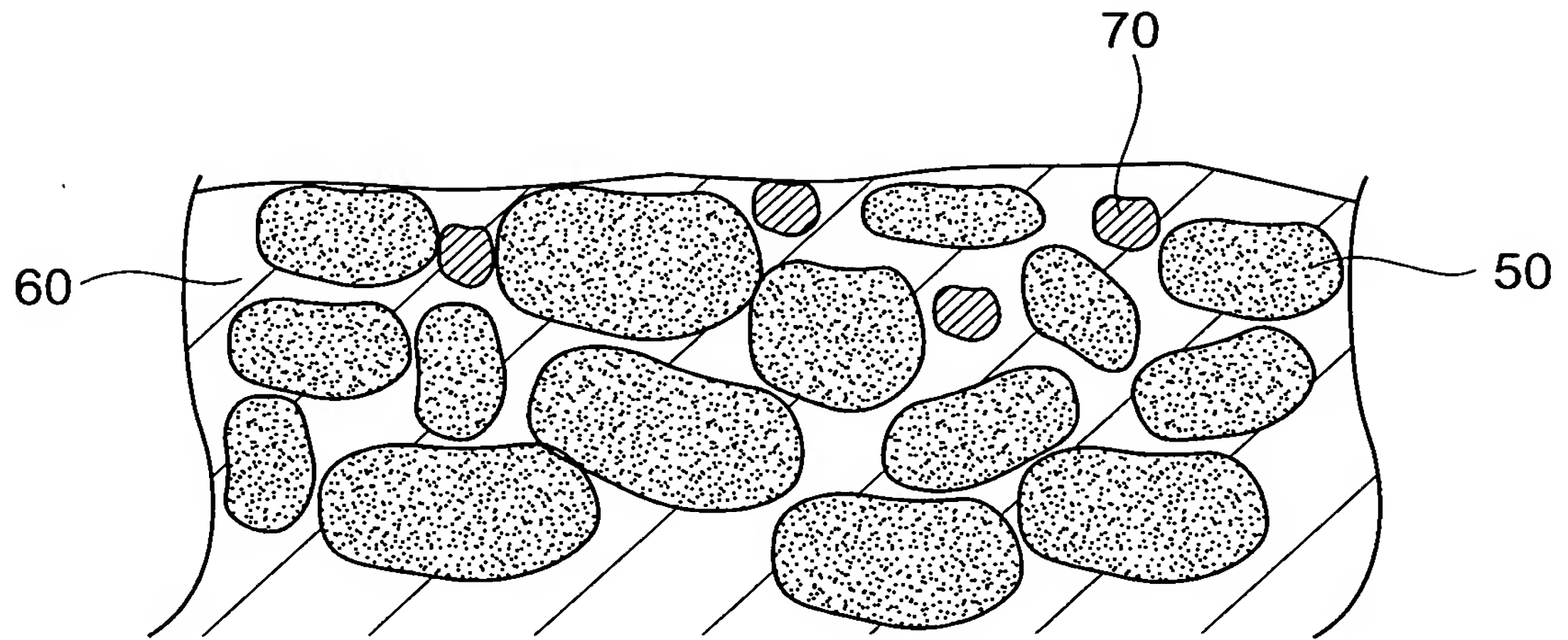


Fig.4

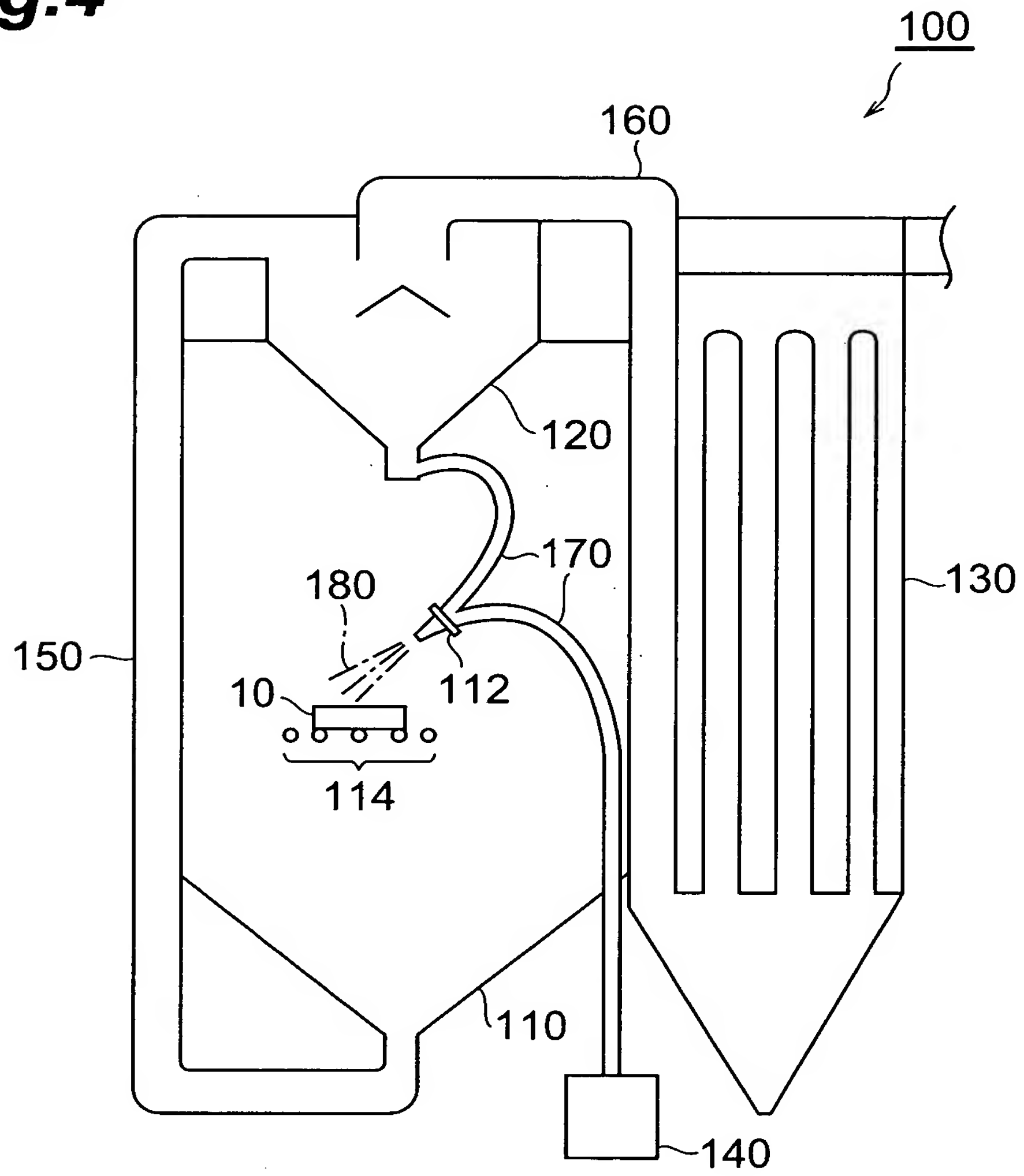


Fig.5

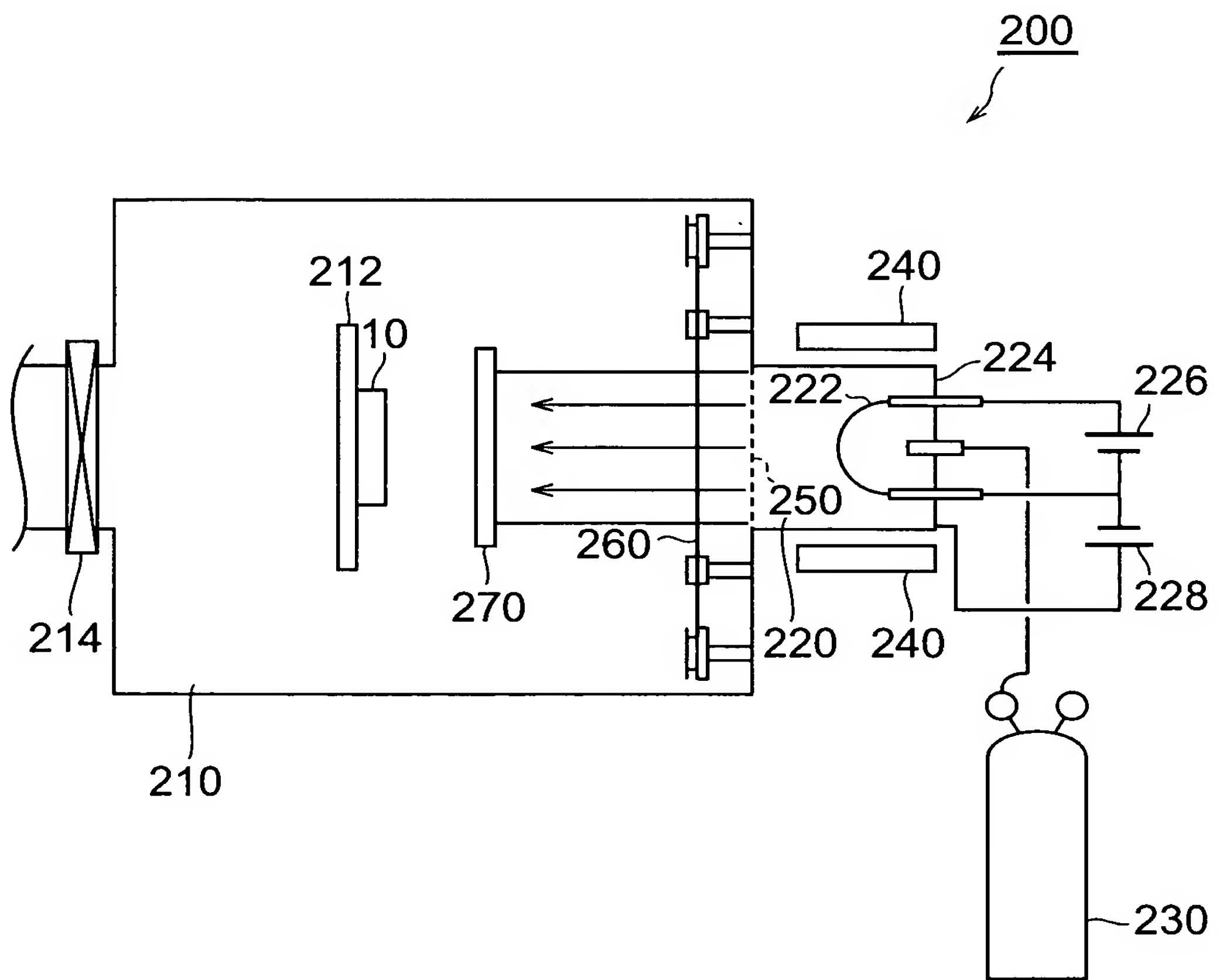


Fig.6

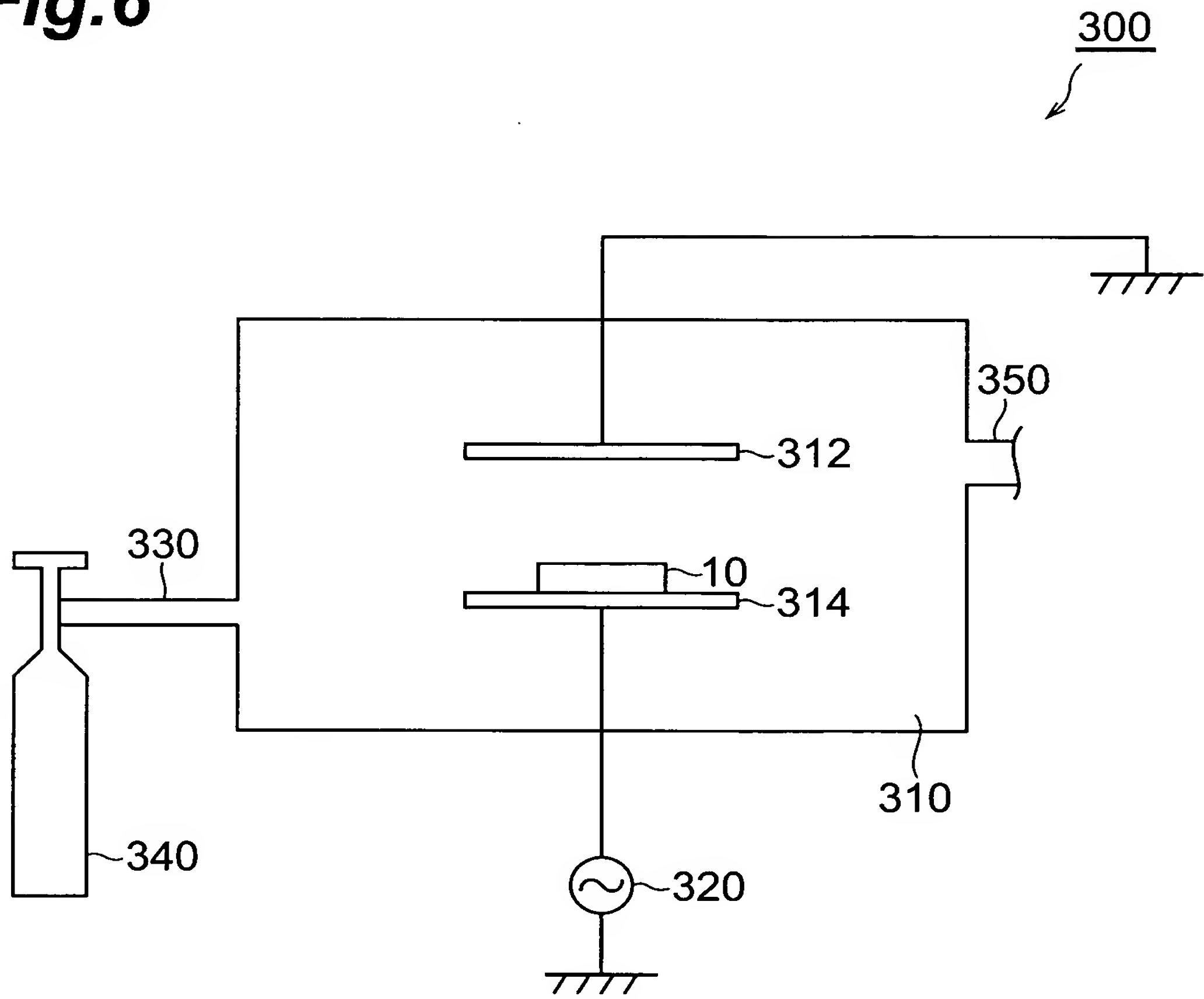


Fig.7

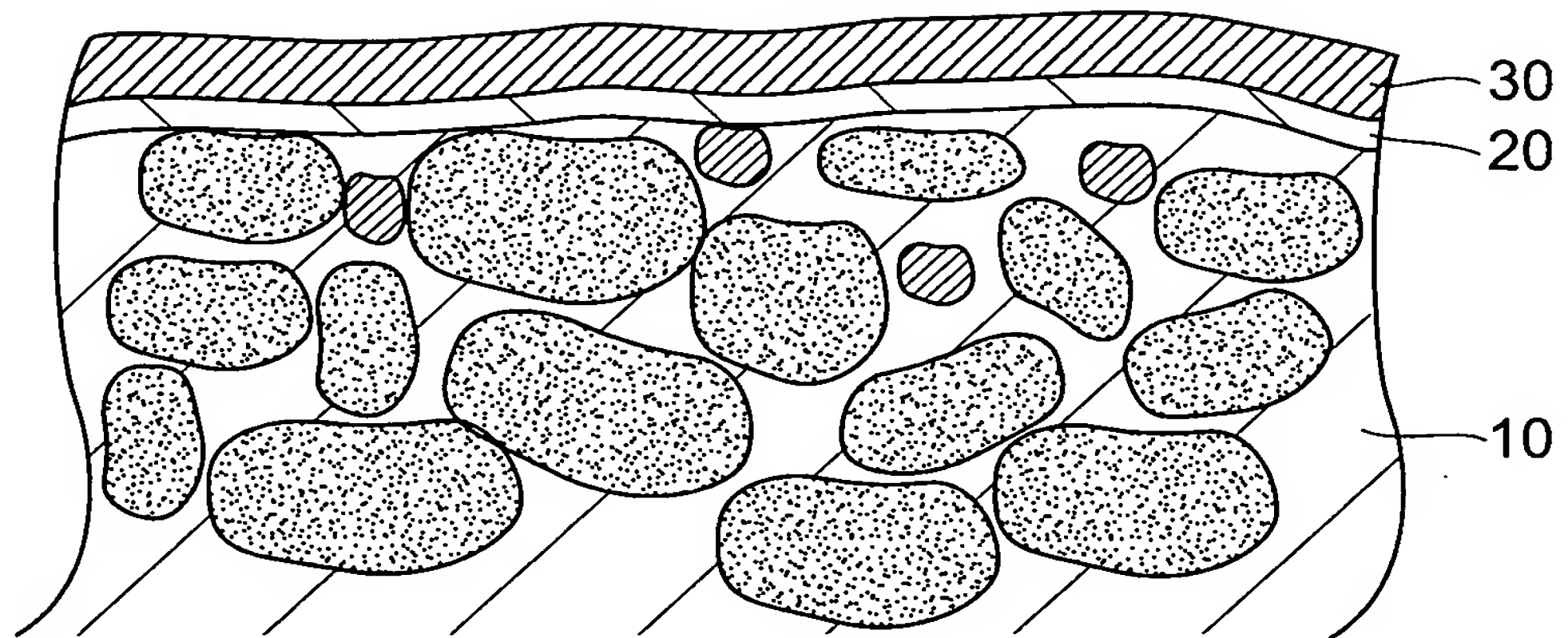


Fig.8

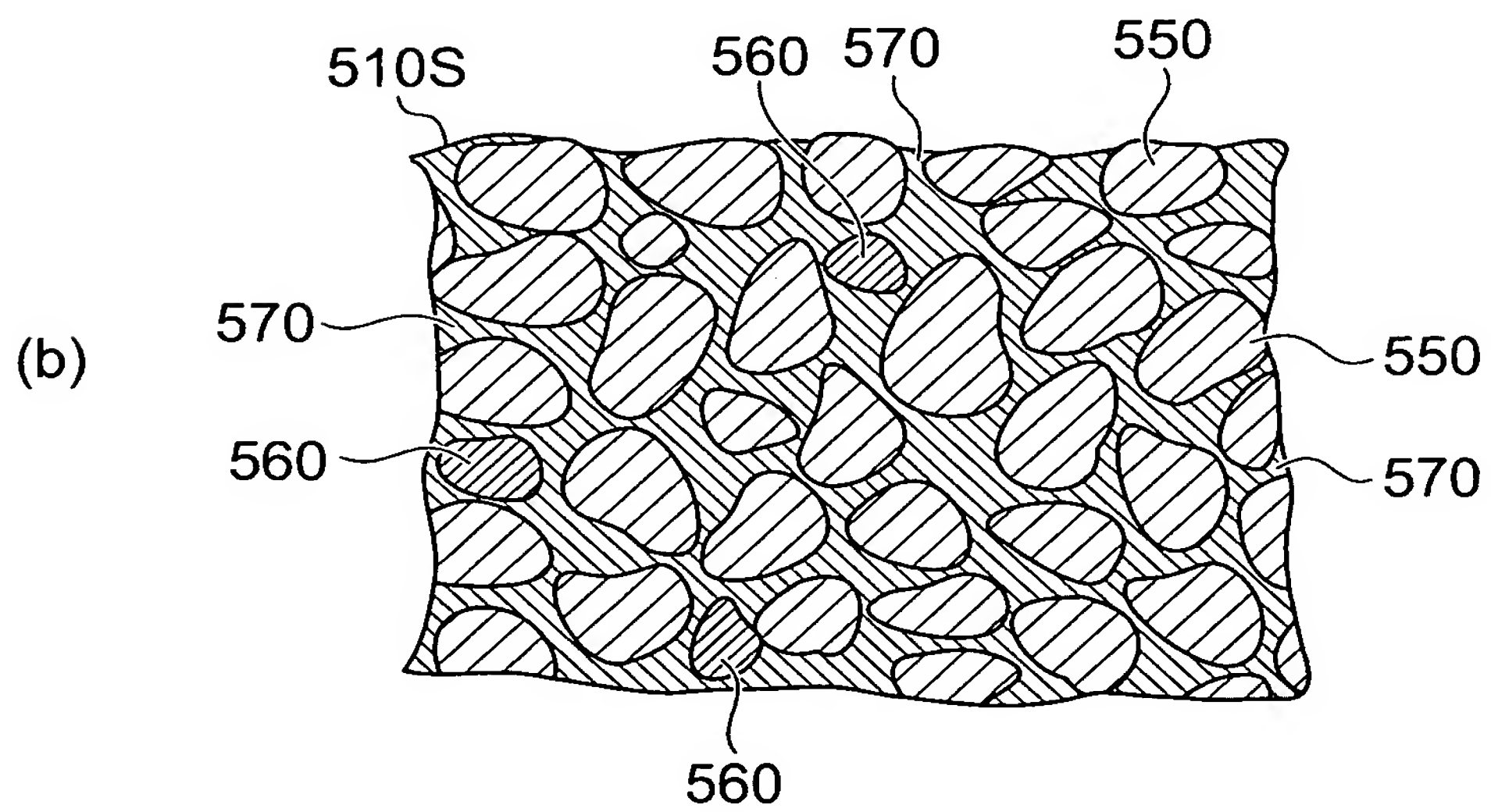
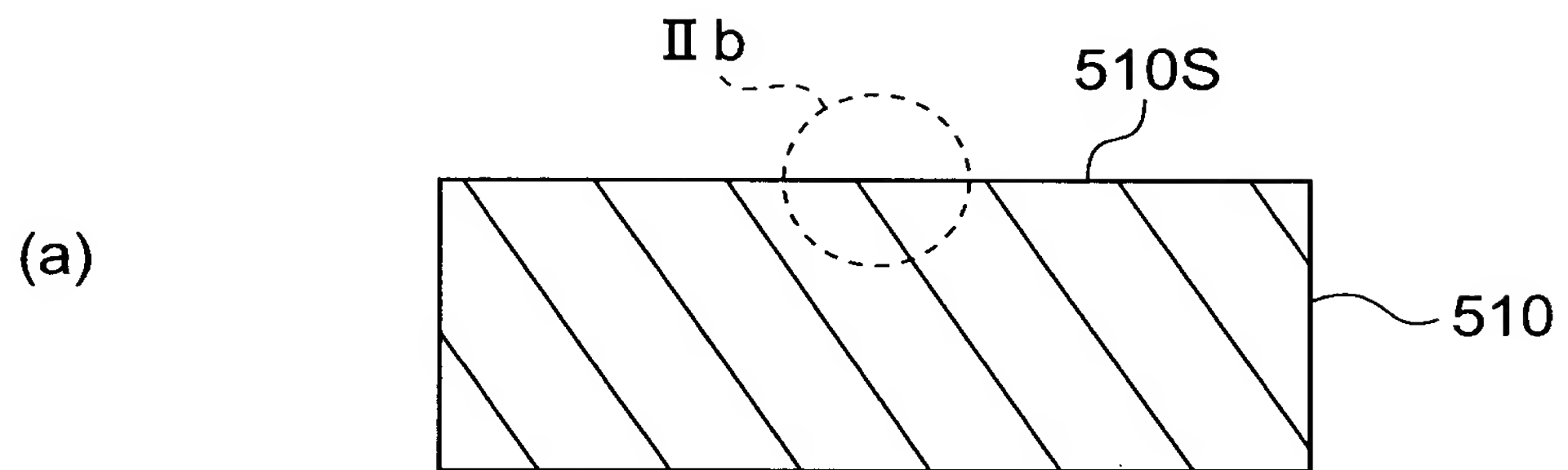


Fig.9

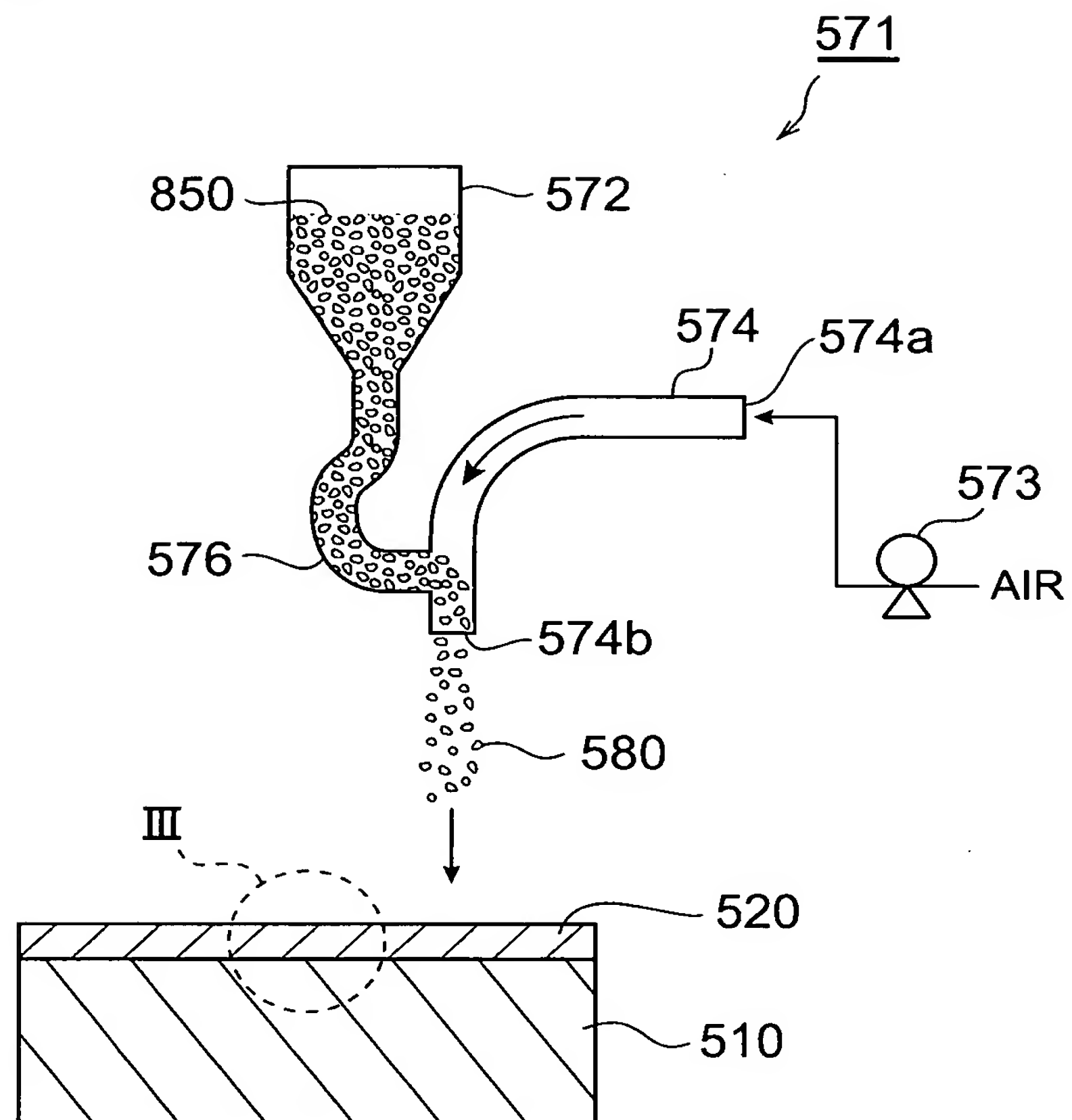


Fig.10

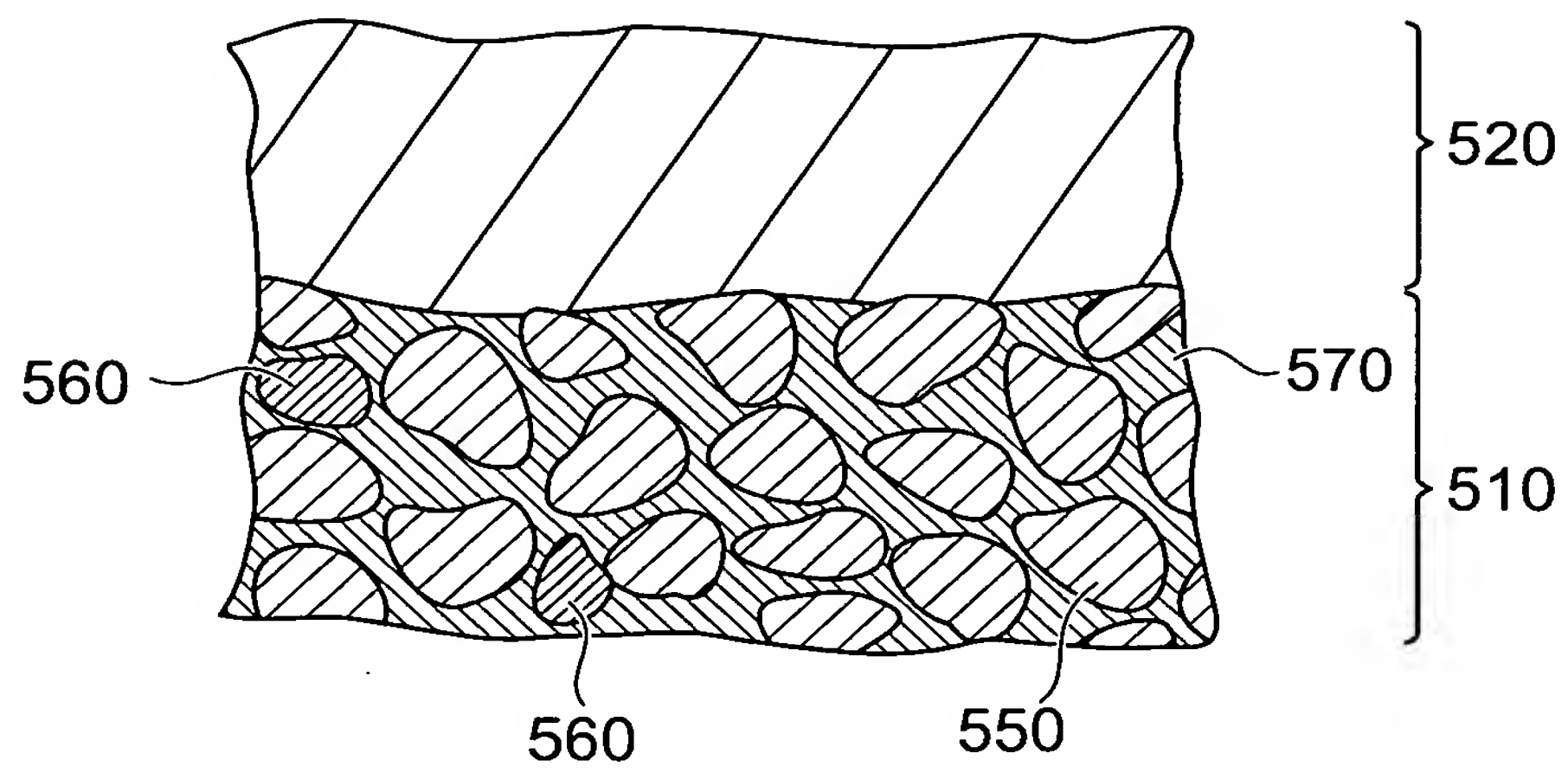


Fig. 11

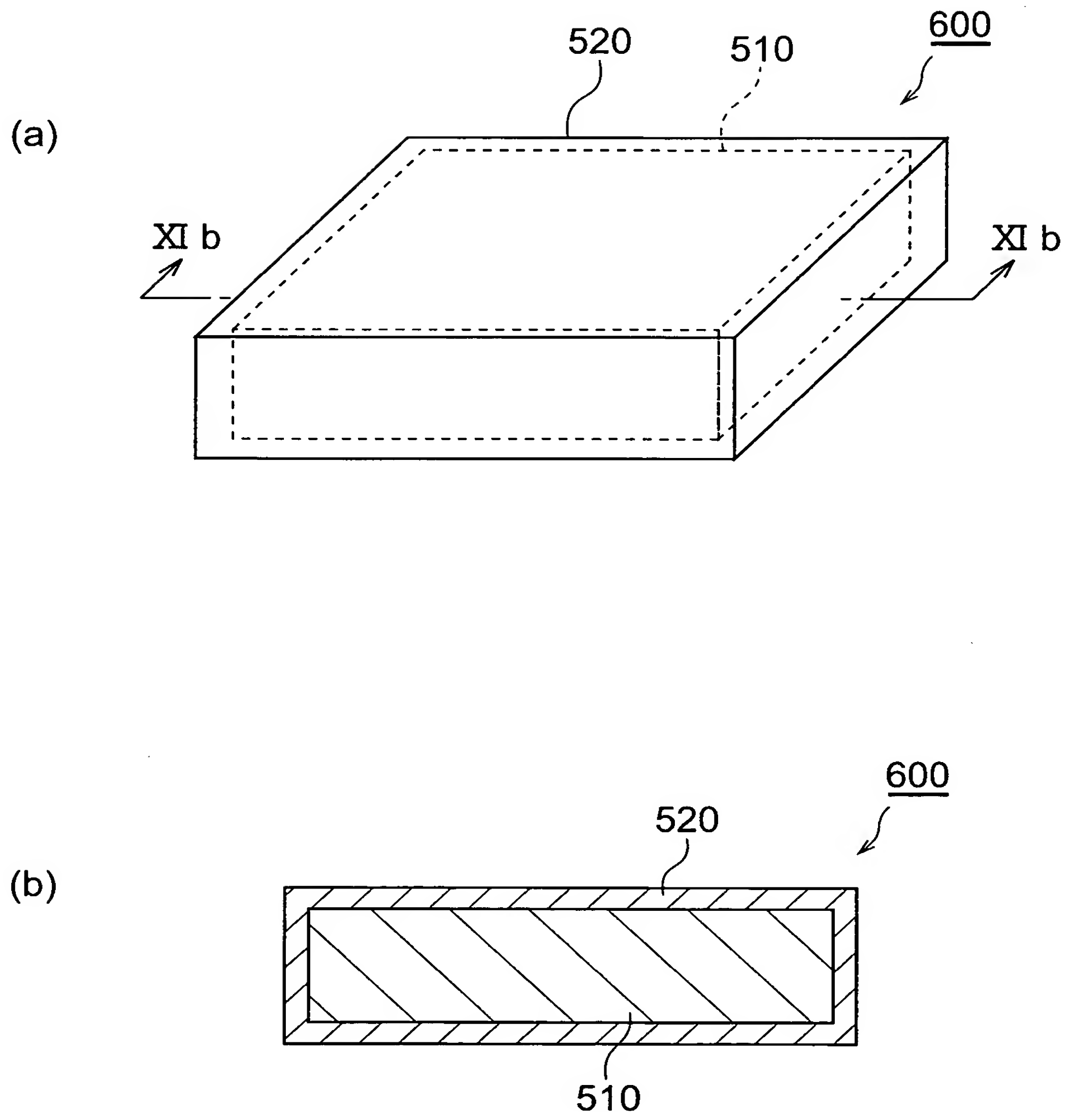


Fig.12

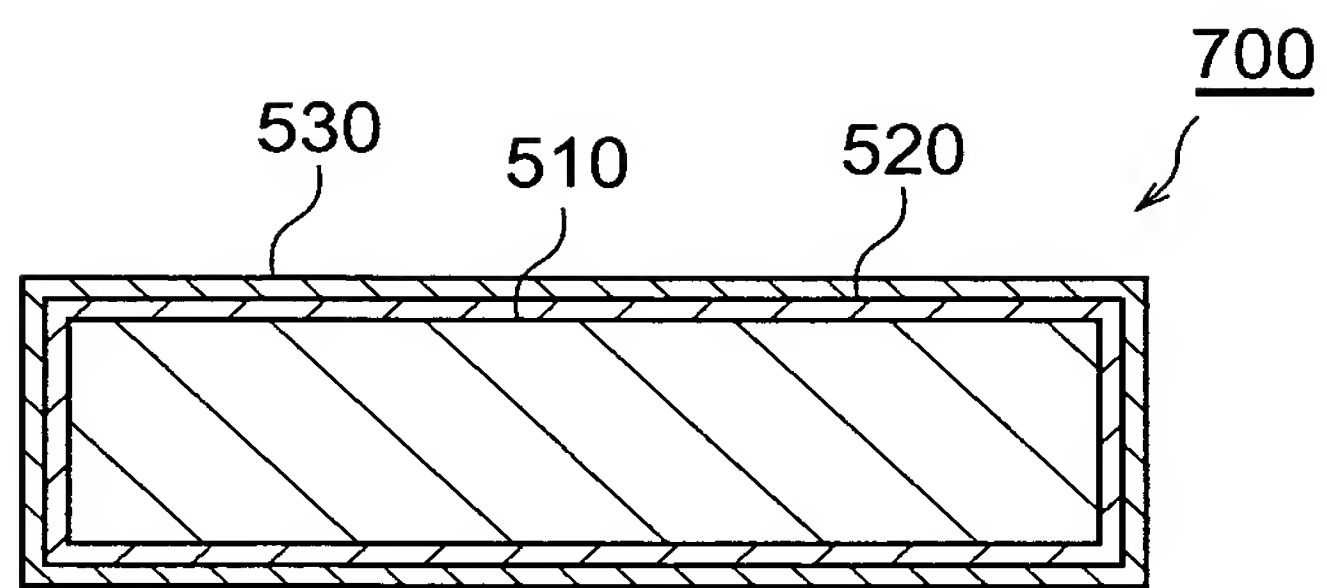


Fig.13

| | METHOD OF FORMING PROTECTING LAYER | PCT TEST WEIGHT REDUCTION (%) | PCT TEST Flux loss (%) | RESIDUAL FLUX DENSITY (mT) |
|---------------------------|--|-------------------------------------|---------------------------|-------------------------------------|
| EXAMPLE 1B | AMORPHIZATION | 0.04 | ERROR RANGE | 412 |
| EXAMPLE 2B | AMORPHIZATION + CHEMICAL CONVERSION TREATMENT (AQUEOUS SOLUTION OF ZINC PHOSPHATE) | BELOW MEASUREMENT LIMIT | ERROR RANGE | 402 |
| EXAMPLE 3B | AMORPHIZATION + CHEMICAL CONVERSION TREATMENT (NITRIC ACID) | 0.01 | ERROR RANGE | 408 |
| EXAMPLE 4B | AMORPHIZATION + CHEMICAL CONVERSION TREATMENT (OXYGEN PLASMA) | BELOW MEASUREMENT LIMIT | ERROR RANGE | 398 |
| COMPARATIVE EXAMPLE 1B | OXIDATION BY HEAT TREATMENT | 0.36 | 8.4 | 345 |
| COMPARATIVE EXAMPLE 2B | COATING RESIN | 0.58 | 10.5 | 353 |
| COMPARATIVE EXAMPLE 3B | CHEMICAL CONVERSION TREATMENT | 0.41 | 9.1 | 348 |